Notice of Allowability Consol_282		Application No.	Applicant(s)
### Brian L. Mulschler	AL CONTRACTOR SERVICE	09/960,282	KONDO ET AL.
	Notice of Allowability	Examiner	Art Unit
All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included nerewith (or previously malled), a Notice of Movemore (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initial of the Office or upon petition by the applicant. See 37 CFR 1313 and MPEP 1308. 1. A This communication is responsive to RCE filed 19 July 2004. 2. The allowed claim(s) is/are 10.20. 3. The drawings filed on 24 September 2001 are accepted by the Examiner. 4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some c) None of the: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). *Certified copies not received: Applicant has THREE MONTH'S FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. 6. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 20 by Paper No./Mail Date 4. DePOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding Requirement feed by the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding		Brian L. Mutschler	1753
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Art Unit: 1753

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on July 19, 2004 has been entered.

Allowable Subject Matter

2. The following is an examiner's statement of reasons for allowance:

Claims 10-20 are distinguished over the prior art of record by providing a combination of elements neither taught nor suggested by the prior art of record. Specifically, the instant claims require a solar battery, an input connecter structured to input electric power from another solar batter device connected in parallel, an output connector structured to collect the electric power input and the output of a power converter that converts the output of the solar battery, a detector that detects a current of the collected electric power, and a power converter controller to control the converter. The prior art of record neither teaches nor suggests the use of a detector to detect a current value of the collected electric power from the solar battery and the electric power input from another solar battery device.

Application/Control Number: 09/960,282

Art Unit: 1753

Simburger et al. (U.S. Pat. No. 6,300,158) discloses a solar battery device where each solar battery device comprises an inverter and the required power regulation electronics. However, Simburger et al. do not teach or suggest the use of a detector that detects the combined power output of the solar battery and another solar battery device. Furthermore, Simburger et al. do not teach or suggest the use of a controller that controls the power converter based on the combined power detected by the detector. While current detectors are known, it would not have been obvious to one having ordinary skill in the art at the time the invention was made to have used a detector and controller having the structural relationship recited in the instant claims because the prior art devices generally teach the use of a single current detector and controller for an entire array. Such a system is disclosed by Ishida et al. (U.S. Pat. No. 6,291,764). Ishida et al. teach the use of a device having a plurality of solar cell elements attached to a single current detector and inverter.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian L. Mutschler whose telephone number is (571) 272-1341. The examiner can normally be reached on Monday-Friday from 7:30am to 4:00pm.

Application/Control Number: 09/960,282

Art Unit: 1753

Page 4

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nam Nguyen can be reached on (571) 272-1342. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

BLM August 16, 2004

NAM NGUYEN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 1700